

TAS 3083A-14

T.H. 51

COMO AVE. TO LARPENTEUR AVE.

S.P. 6215-27, 6216-34

JUNE 1969

OFFICE OF
TRANSPORTATION PLANNING

MINNESOTA HIGHWAY DEPARTMENT

DEPARTMENT HIGHWAY

Office Memorandum

TO : Paul G. Velz
Road Design Engineer

DATE: June 26, 1969

FROM : Douglas H. Differt, Chief
Traffic Analysis Section

SUBJECT: TH 51: Como Ave. to Larpenteur Ave.
SP 6215-27, 6216-34
TAS 3083A-14

The Traffic Analysis Section transmits this report in response to R. T. Peterson's March 11, 1969 request for 1990 ADT, and HCADT for the project location shown on the map on page 2.

This transmittal contains two alternate designs. For each segment numbered on the map on page 3, alternate A, the vehicle type distributions are tabulated on pages 4-5. For each segment numbered on the map on page 6, alternate B, the vehicle type distributions are tabulated on pages 7-8.

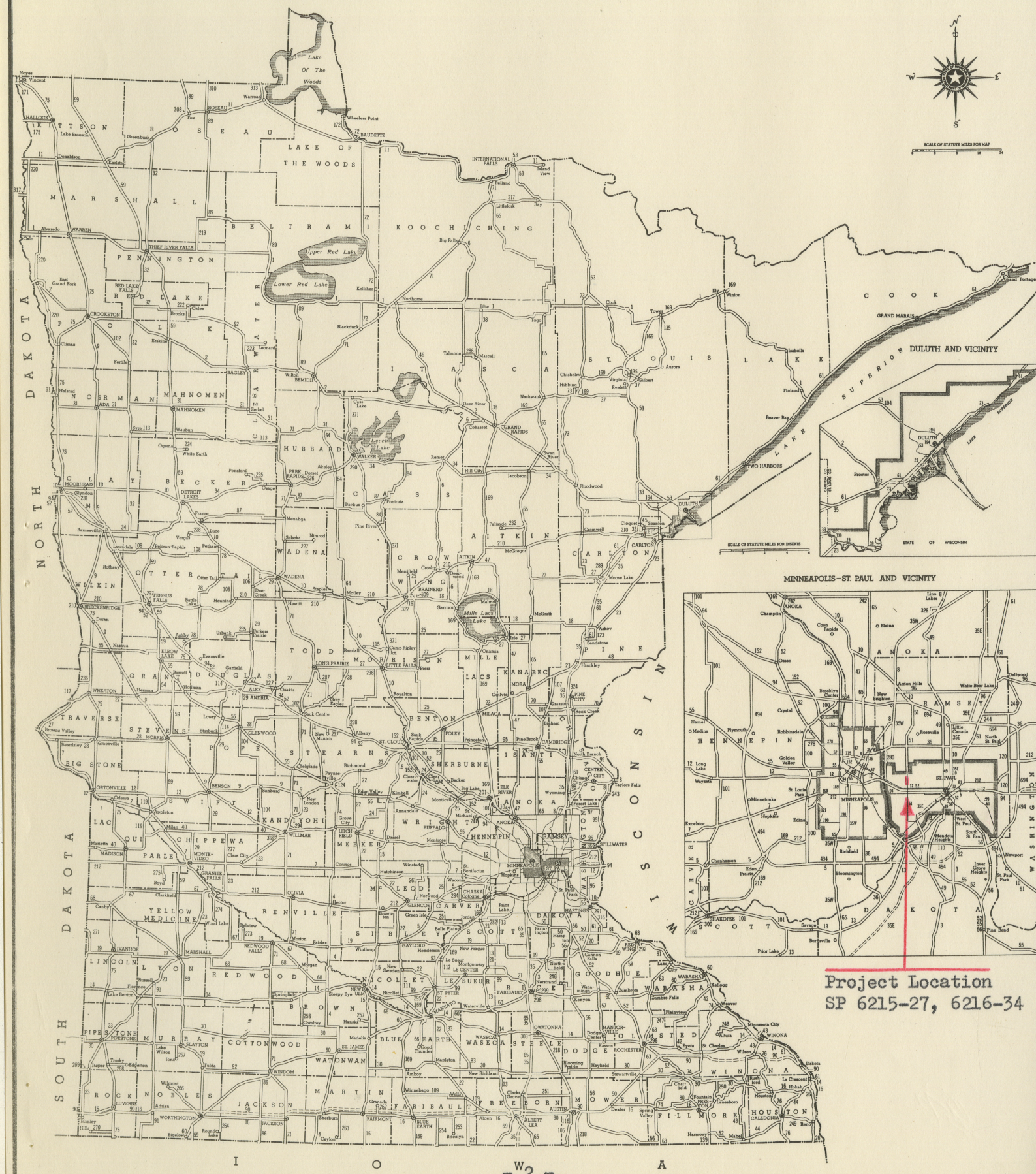
Segment 15 on the page 3 map has the highest 1990 ADT for the project area. This segment has an estimated 1968 ADT of 29750.

The basic data, methods, and assumptions are on page 9.

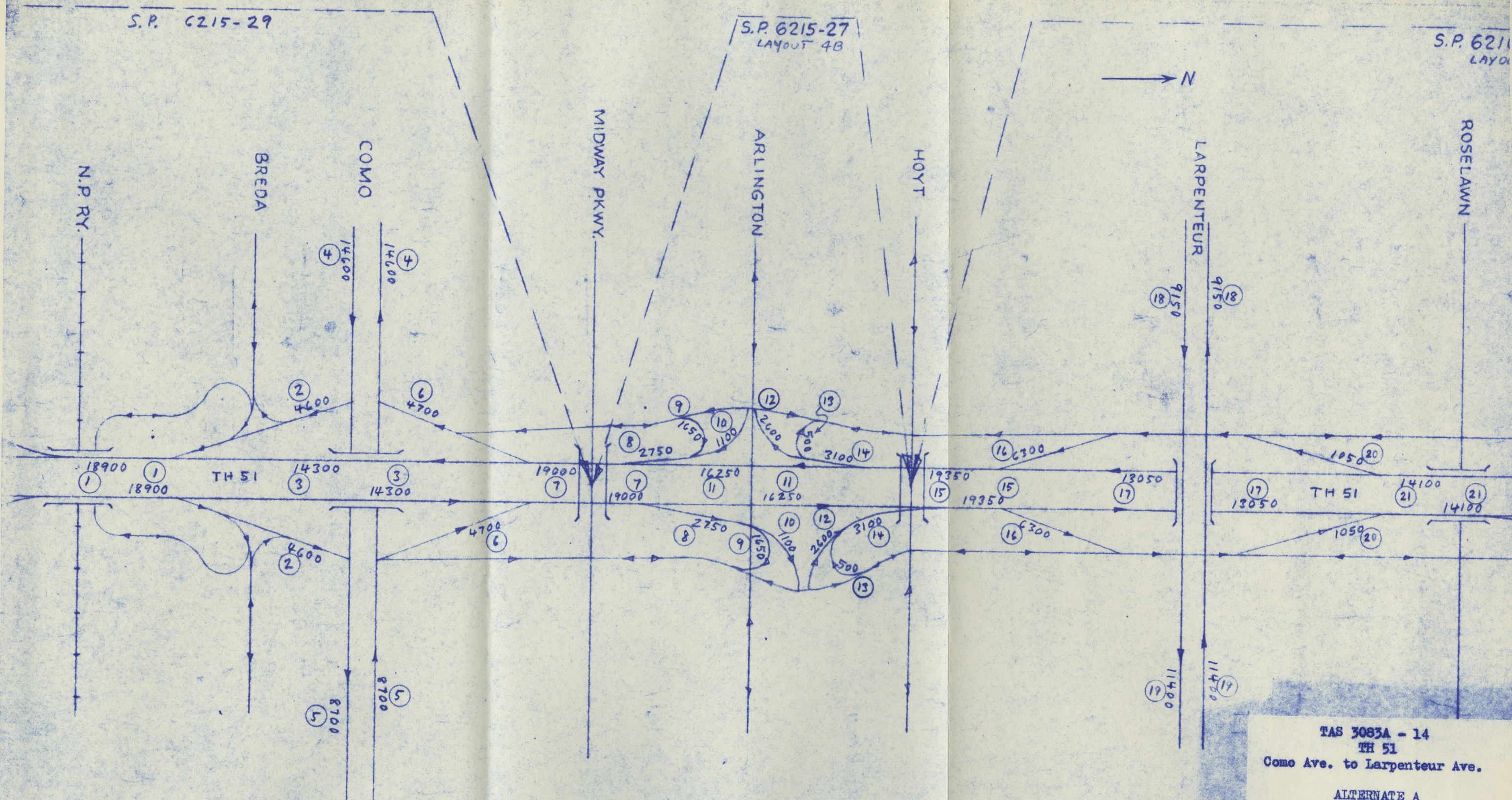
Douglas H. Differt

Douglas H. Differt, Chief
Traffic Analysis Section

PH

STATE OF MINNESOTA
DEPARTMENT OF HIGHWAYS
WORK MAP

Project Location
SP 6215-27, 6216-34



TAS 3083A - 14
 TH 51
 Como Ave. to Larpenteur Ave.

ALTERNATE A
 Legend

Segment Number ①
 1990 ADT 18900

TRAFFIC ESTIMATE DATA

DESIGN YEAR 1990 PART 1 OF 4

FOR

T.H. 51 S.P. 6215-27, 6216-34 LENGTH - MILESCOUNTY Ramsey LOCATION Como Ave. to
Larpenteur Ave.

BASED ON

1990 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 1 THROUGH 11 AS

DEFINED ON ATTACHED INDEX MAP for Alternate A on page 3

VEHICLE # TYPE	SEGMENT NUMBER										
	1	2	3	4	5	6	7	8	9	10	11
0	17837	4334	13503	12616	7554	4387	17890	2638	1583	1055	15252
1	443	108	335	696	378	115	450	60	36	24	390
2	86	40	46	304	160	56	102	14	8	6	88
3	52	11	41	82	42	13	54	5	3	2	49
4	63	18	45	140	76	22	67	10	6	4	57
5	246	49	197	320	184	57	254	15	9	6	239
6	173	40	133	442	306	50	183	8	5	3	175
TOTAL ADT	18900	4600	14300	14600	8700	4700	19000	2750	1650	1100	16250
TOTAL H. COMM. ADT	1063	266	797	1984	1146	313	1110	112	67	45	998
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

* VEHICLE TYPE CODE

0 = PASSENGER CARS AND 4 TIRE TRUCKS
 1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS
 2 = SINGLE UNIT-3 AXLE TRUCKS
 3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES
 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES
 5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES
 6 = BUSES AND TRUCKS WITH TRAILERS

TRAFFIC ESTIMATE DATA

DESIGN YEAR 1990 PART 2 OF 4

FOR

T.H. 51 S.P. 6215-27, 6216-34 LENGTH - MILESCOUNTY Ramsey LOCATION Como Ave. to
Larpenteur Ave.

BASED ON

1990 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

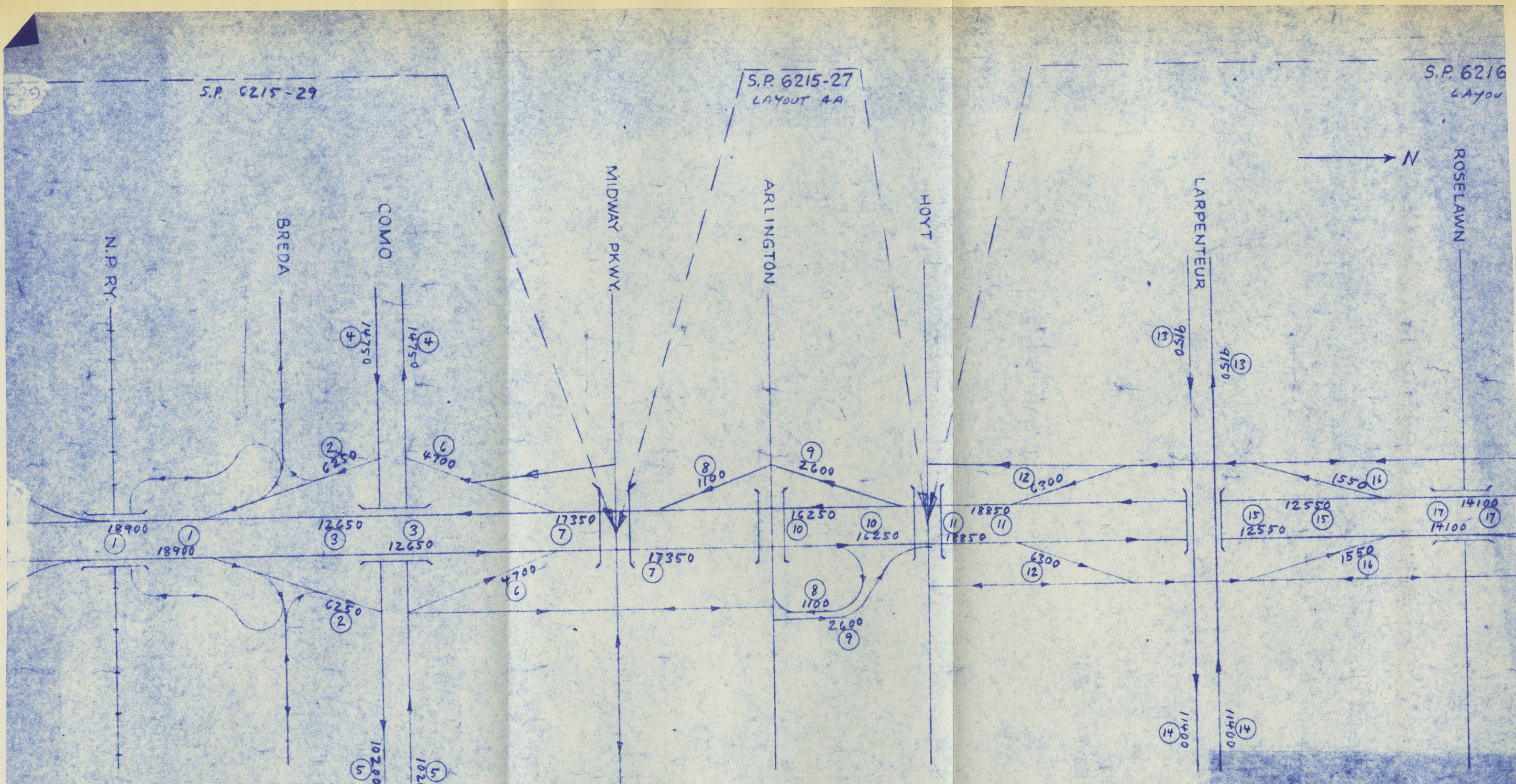
TOTAL ADT ON SEGMENTS 12 THROUGH 21 AS

DEFINED ON ATTACHED INDEX MAP for Alternate A on page 3

VEHICLE # TYPE	SEGMENT NUMBER										
	12	13	14	15	16	17	18	19	20	21	
0	2499	481	2980	18232	5921	12311	8205	10167	1009	13320	
1	47	9	56	446	148	298	501	620	22	320	
2	15	3	18	106	28	78	77	97	4	82	
3	5	1	6	55	20	35	46	60	1	36	
4	10	2	12	69	25	44	58	77	3	47	
5	16	3	19	258	62	196	151	197	8	204	
6	8	1	9	184	96	88	112	182	3	91	
TOTAL ADT	2600	500	3100	19350	6300	13050	9150	11400	1050	14100	
TOTAL H. COMM. ADT	101	19	120	1118	379	739	945	1233	41	780	
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

* VEHICLE TYPE CODE

0 = PASSENGER CARS AND 4 TIRE TRUCKS
 1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS
 2 = SINGLE UNIT-3 AXLE TRUCKS
 3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES
 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES
 5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES
 6 = BUSES AND TRUCKS WITH TRAILERS



TAS 3083A - 14
 TH 51
 Como Ave. to Larpenteur Ave.

ALTERNATE B
 Legend

Segment Number ①
 1990 ADT 18900

TRAFFIC ESTIMATE DATA

DESIGN YEAR 1990 PART 3 OF 4

FOR

T.H. 51 S.P. 6215-27, 6216-34 LENGTH - MILES
 COUNTY Ramsey LOCATION Como Ave. to
Larpenteur Ave.

BASED ON

1990 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 1 THROUGH 11 AS
 DEFINED ON ATTACHED INDEX MAP for Alternate B on page 6

VEHICLE * TYPE	SEGMENT NUMBER										
	1	2	3	4	5	6	7	8	9	10	11
0	17837	5919	11918	12743	8947	4387	16305	1053	2498	15252	17750
1	443	144	299	704	442	115	414	24	46	390	436
2	86	48	38	309	171	56	94	6	16	88	104
3	52	14	38	84	46	13	51	2	6	49	55
4	63	24	39	143	85	22	61	4	11	57	68
5	246	57	189	324	196	57	246	7	15	239	254
6	173	44	129	443	313	50	179	4	8	175	183
TOTAL ADT	18900	6250	12650	14750	10200	4700	17350	1100	2600	16250	18850
TOTAL H. COMM. ADT	1063	331	732	2007	1253	313	1045	47	102	998	1100
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

* VEHICLE TYPE CODE

0 = PASSENGER CARS AND 4 TIRE TRUCKS 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES
 1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS 5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES
 2 = SINGLE UNIT-3 AXLE TRUCKS 6 = BUSES AND TRUCKS WITH TRAILERS
 3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES

TRAFFIC ESTIMATE DATA

DESIGN YEAR 1990 PART 4 OF 4

FOR

T.H. 51 S.P. 6215-27, 6216-34 LENGTH - MILES
 COUNTY Ramsey LOCATION Como Ave. to
Larpenteur Ave.

BASED ON

1990 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 12 THROUGH 17 AS
 DEFINED ON ATTACHED INDEX MAP for Alternate B on page 6

VEHICLE * TYPE	SEGMENT NUMBER										
	12	13	14	15	16	17					
0	5921	8205	10179	11829	1491	13320					
1	148	501	615	288	32	320					
2	28	77	96	76	6	82					
3	20	46	59	35	1	36					
4	25	58	76	43	4	47					
5	62	151	197	192	12	204					
6	96	112	178	87	4	91					
TOTAL ADT	6300	9150	11400	12550	1550	14100					
TOTAL H. COMM. ADT	379	945	1221	721	59	780					
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

* VEHICLE TYPE CODE

0 = PASSENGER CARS AND 4 TIRE TRUCKS 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES
 1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS 5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES
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 3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES

BASIC DATA, METHOD AND ASSUMPTIONS

The 1990 ADT and DHV for the project were transmitted in TAS 651-14 on May 16, 1969.

The vehicle type distributions developed in TAS 3083-14 were re-assigned to the geometrics of this project.